

### LEHAR, F.

SCIENCE

Periodicals: CESKOSLOVENSKY CASOPIS PRO FYSIKU. Vol. 8, no. 1, 1958

LEHAR, F. Efficiency of scintillation counters for fast neutrons. p. 496

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

LEHAR, F.

CZECHOSLOVAKIA/Nuclear Physics - Installation and Instruments. C

Methods of Measurement and Research.

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 287

Author

: Lehar, Frantisck

Inst

•

Title

: Efficiency of Scintillation Counters for Fast Montrons

Orig Pub

: Chekhosl. fiz. zh., 1958, 8, No 5, 583-591

Abstract

: The efficiency of scintillators comprising mixtures of ZnS (Ag) with paraffin polymethylmetacrylate to fast meutrons and prays was measured at various concentrations and sizes of the ZnS (Ag) grains (5, 20, and 30 microns). For the indicated grain dimensions, the measured ratio of efficiencies is 1:1.3:1.8 and is independent of the concentration of the ZnS (Ag), the type of the hydrogen-containing substance, and the neutron energy. The measurements were carried out with neutrons from Po-Be and Ra-Be sources and

Card 1/3

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# APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009291

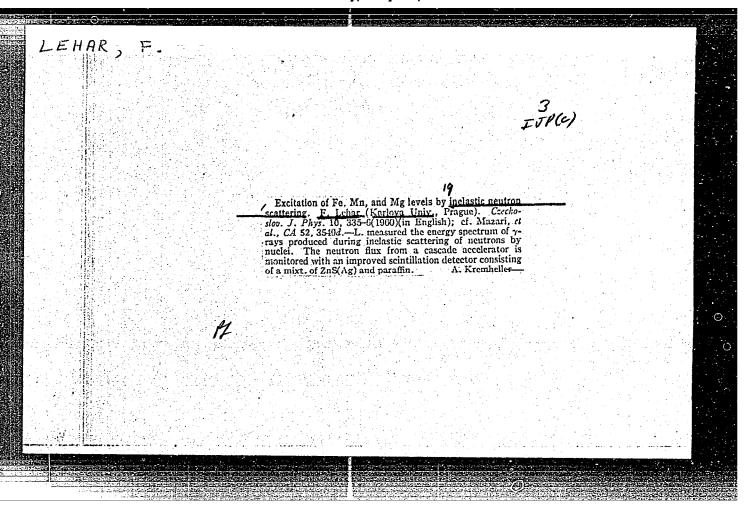
Methods of Measurement and Research.

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 287

with neutrons obtained in the nuclear reactions Li (d, n), C (d, n), and Be (d, n). For a mixture of ZnS (Ag) with paraffin, the efficiency changes considerably with thickness of the scintillator. The optimum thickness is 5 nm at 80% concentration of ZmS (Ag) and 13 mm at a 10% concentration. The efficiency of the scintillator with paraffin (at optimum thickness) increases rapidly with increasing concentration of ZmS (Ag). Starting with a concentration of ZnS (Ag) of approximately 10%, the increase in efficiency slows down and at a contents of more than 40 or 50% ZnS (Ag) the efficiency remains practically constant. The efficiency of the detectors with polymethylmetacrylate at more than 10% concentration of ZnS (Ag) and at a thickness of 6 - 10 nm changes very little with increasing thickness. At optimum

Card 2/3



LEHAR, F.; FALECKOVA, J.; UHLIR, M.

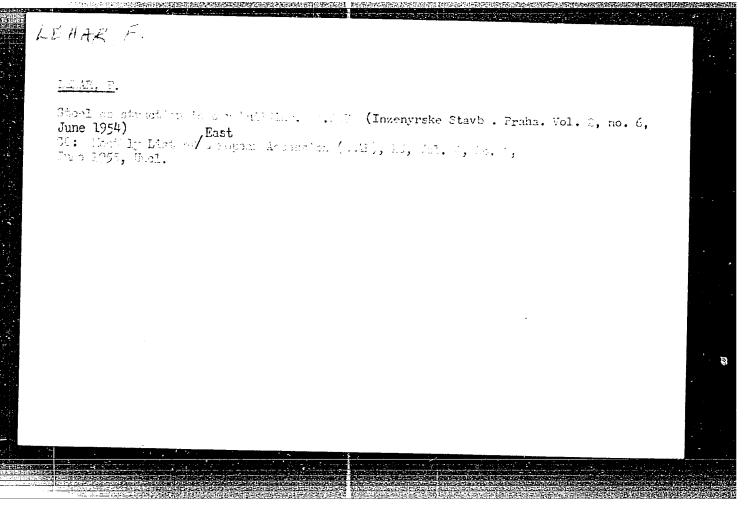
Polarization of nucleons at low and medium energy. Cs cas fys 12 no.1:62-83 '62.

1. Fakulta technicke a jaderne fysiky, Ceske vysoke uncei technicke, Fraha.

LEHAR, Frantisek; PALECKOVA, Jitka; STERBA, Frantisek

Directional scintillation detector for neutrons. Jaderna
energie 9 no.5:171-172 My '63.

1. Katedra jaderne fyziky, fakulta technicke a jaderne fyziky,
Geske vysoke uceni technicke.



## LEHAR, F.

Welded roof rafters. p. 302.

STAVBY. Praha. Vol. 2, no. 8, Aug. 1954.

SOURCE: East European Accessions List (EFAL), LC, Vol. 5, no. 3, March 1956

### LEHAR, F.

Our largest welded steel industrial structure. p. 381.

INZENYRSKE STAVEY. Praha, Czechoslovakia. Vol. 3, no. 9, Sept. 1955.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

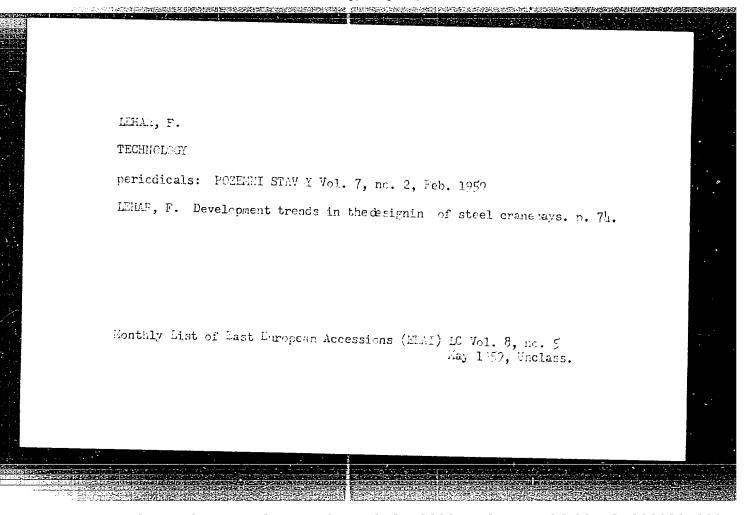
# LEHAR, F. New series of, U and L shaped rolled sections. (To be contd.) p. 302. INZENYRSKE STAVEY. Fraha, Czechoslovakia. Vol. 3, no. 11, Nov. 1955. Monthly list East European Accessions (EFAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

LEHAR, F.

LEHAR, F. Proposal of new forms for I- and U-shaped steel. p. 82.

Vol. 4, no. 4, Apr. 1955 NORMALISACE TECHNOLOGY Praha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

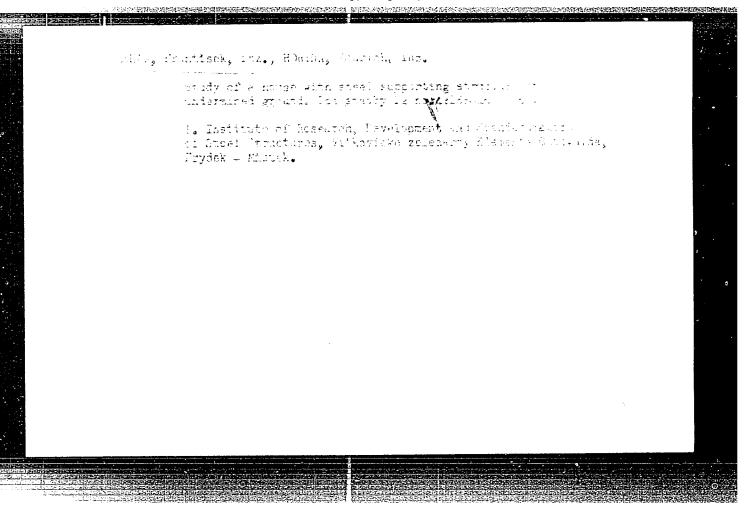


### LEHAR, F.

New series of rolled I, U, and L shaped sections. p. 33h.

INZENYRSKE, STAVBY. (Ministerstvo stavebnictvi) Praha, Gzechoslovakia. Vol. 7, no. 9, Sept. 1959.

Monthly List of East Furopean Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959 Uncl.



LEHAR, Frantisek, inz.

Remarks on Branch Standard 27 2240: Rails of steel crane tracks. Normalizace 12 no.8:234 Ag '64

Remarks on Branch Standard 73 1430: Design of the steel structure of antenna masts. Ibid.:235-236

1. Vitkovicke zelezarny Klementa Gottwalda National Enterprise, Institute of Research, Development and Standardization of Steel Structures, Frydek-Mistek.

LEHAR, Frantisek, inz.

Remarks on Branch Standard 27 2101; Strong Buffers of Steel Girders of Crane Runways. Normalizace 12 no.12:346 D '64.

1. Institute of Research, Developments and Standardization of Steel Constructions of the Vitkovicke zelezarny Klementa Gottwalda National Enterprise, Frydek-Mistek.

LEHAR, Frantisek, inz.

Remarks or 'the Branch Standard 73 1495: Regul: ions for Designing, Constructing and Controlling History rungth Screw Connections of Building and Bridge Steel Structures.

Normalizace 13 no.1:18-19 Ja '65.

1. Institute of the Research, Development and Standardization of Steel Structures of the Vitkovicke zelezarny Klementa Gottwalda, Frydek-Mistek.

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of E-3 Organic Substances.

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57247.

Author : Snobl D., Lehar L. Inst : Not given.

Title : Analysis of the Cyclohexanon-Cyclohexanol System

with the Aid of dielectric Constant.

Orig Pub: Chem. prumysl, 1957, 7, No 8, 402-404.

Abstract: A simplified method of analyzing binary mixtures of cyclohexanon-cyclohexanol (I) in the 0-100% concentration range has been developed. It is based on the difference in the dielectric constant values of the components involved. It consists in measuring an increase in the capacity of a condenser filled with anhydrous benzene (II) against that of a sample of II containing dissolved I. A con-

Card 1/2

35

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of E-3 Organic Substances.

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57247.

Abstract: denser of 72 nf capacity (air) is utilized for the purpose. For a mixture containing 6.25% I in II the calibrating curve is close to a straight line for the whole range of I compositions. Results of the analysis are destorted in the presence of  $H_2O$ . If the  $H_2O$  contained in  $I \leq 0.1\%$ , accuracy of the composition of I determination is  $\pm 0.2\%$ .

Card 2/2

LEHHK, Ladislav

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009291

LADISLAU, I.

CZECHOSLOVAKIA / Physical Chemistry. The Molecule. B
Chemical Bond.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63481

Author : Snobl Dobroslav, Lehar Ladislav

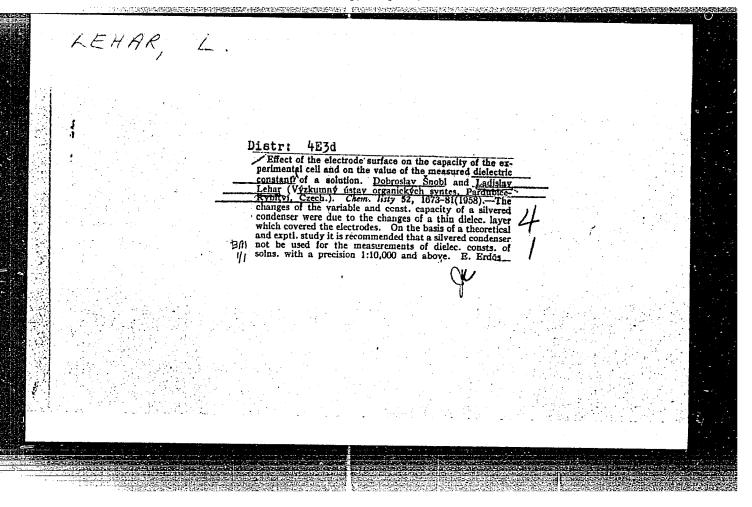
Inst : Not given

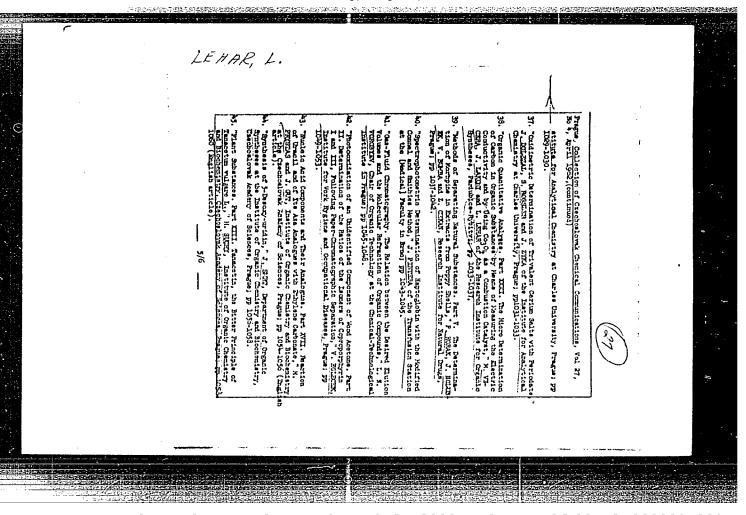
Title : Electrical Moment of an Amide Group. I. Conditions for the Determination of the Exact Value of an Imaginary Moment in a Solution.

Orig Pub: Chem. listy, 1957, 51, No 9, 1608-1613

Abstract: Discusses the reasons for the variation in the literary data on the relative dipole moment of an amide group. The authors consider the probable reasons to be the small solute of amides in

Card 1/2





LAKOMY, J.; LEHAR, L.; VECERA, M.

Organic quantitative anaysis. Pt. 35. Coll Cz Chem 28
no. 12:3271-3277 D'63.

1. Forschungsinstitut fur organische Synthesen, PardubiceRybitvi.

<u>L 31759-66</u> EWP(j) RM

AP6021640

ACC NR:

SOURCE CODE: CZ/0008/65/000/008/0985/0992

AUTHOR: Lakomy, Jaroslav; Lehar, Ladislav

CRG: Research Institute for Organic Synthesis, Pardubice-Rybitvi (Vyzkumny ustav organickych syntez)

TITIE: Measurements of the surface tension of chlorosilanes by means of the method of maximum bubble pressure

SOURCE: Chemicko listy, no. 8, 1965, 985-992

TOPIC TAGS: surface tonsion, silane
ABSTRACT: The method suggested by the authors is very suitable
for the determination of surface tensions of chlorosilanes. Its
main advantage is that it allows operations in a wide limit of
temperatures, and protects the silanes from the influence of
atmospheric moisture. Its disadvantage is that it requires a
large apparatus and that it is time consuming; its accuracy
is + 0.5%, and that equals the accuracy of the best methods. Results obtained in work with monomethyl, dimethyl, trimethylmonochloro, tetrachloro, trichloro, monoethyldichloro, phenyltrichloro,
and diphenyldichloro silanes are described. It was found that
within the limits of the investigation, the surface tension changes
as a linear function of temperature. Orig. art. has: 4 figures and 5 tables. [JPRS]
SUB CODE: 07 / SUEM DATE: 18Jul64 / ORIG REF: 003 / OTH REF: 017
Cord 1/1 (0)

LEHART, Cy. dr.; CSER, I.,dr.

Tibia vara epiphysarea. Gyermekgyogyaszat 11 no.3:90-95 Mr '60.

1. A Budapesti Orvostudomanyi Egyetem Orthopaediai Klinikajanak
(Igazgato: Dr. Glauber Andor egyet. doc.) kozlemenye.

(TIBIA abnorm)

# LEHECKA, Vratislav Colorimetric determination of zinc in pure nickel, nickel carbonate and nickel electrolytes. Hut listy 19 no.7:516 Jl.64 1. Research Institute of Metals, Panenske Brezany.

### HUNGARY

FCIOR, M.; LEMEL, F.: Medical University of Debrecon, Institute of Microbiology (Debraced Orvestudomanyi Egyetem, Mikrociologiai Interet)

"The Relation Between Mouse Pathogenicity and Other Biological Characteristics of Staphylococcus Aureus."

Budapest, Kiserletes Cxvostudomany, Vol XIV, No 6, 1962, pp 387-592.

Abstract: [Authors' German summary] The relations between the phage-type, sublimate resistance and the virulence of pathogenic strains in mice of staphylococcus aureus were examined. In connection with these experiments, the intrapleural and intraperitoneal methods of injection were tested with and without cortisons. The intraperitoneal method, with titrated amounts of cortisons, was found to be the most suitable one for the determination of virulence. A relation between sublimate resistance and mouse virulence of the pathogenic staphylococcus sureus was definitely established.

[16 Western, 4 Soviet-bloc references]

171

FODOR, M.; LEHEL, F.

Correlation between the pathogenicity of Staphylococcus aureus strains for mice and their other biological characteristics. Kiserl. orvostud. 14 no.6:587-592 D '62.

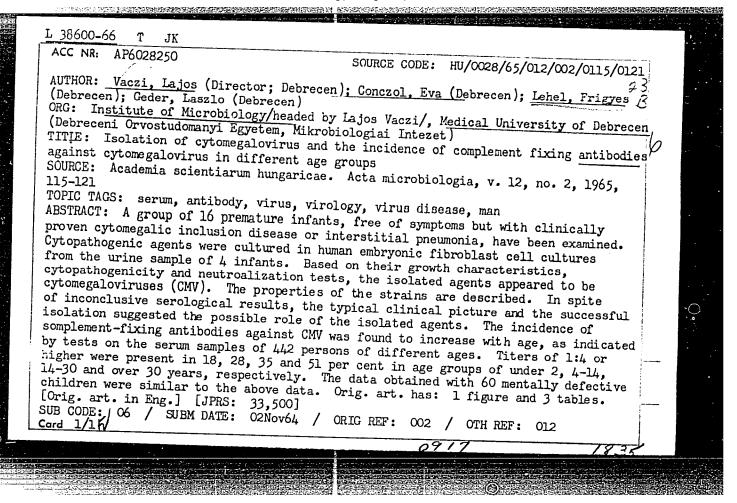
1. Debreceni Orvostudomanyi Egyetem Mikrobiologiai Intezete. (STAPHYLOCOCCUS) (CORTISONE)

ROLLER, M.; GEDER, L.; LEMBL, P.; GONZOL, Eva; KISS, John

Solum: chromatography of DEAS celluloss column of Heures
Simplex virus and Oytoner invirus. Acts microbiol. scad.

sci. Hung. 11 no.4:369-3:4 \*64-165.

1. Institute of Microbiology (Director: I. Vacci), University
Medical School, Debrace.



HADHAZY, Gyorgy, LEESL. Frieves, GERGELY, Lajos; Medical University of Debrecen, Institute of Microbiology (director: VACZI, L.) (Debreceni Orvostudomanyi Egyetem, Mikrobiologiai Intezet).

"Studies of the Influence of Endogenous Regulatory Factors on the Growth of the Herpes Simplex Virus."

Eudapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XIII, No 2, 1966, pages 145-150.

Abstract: [English article, authors' English summary modified] The growth-inhibitory action of heparin on the Herps simplex virus in human embryonic fibroplast and HeLs cells was enhanced by certain biogenic amines and hormones (histamine, adrenalin, serotonin, cortisone, hydrocortisone, ACTH). The inhibitory action of heparin could also be demonstrated in rabbits infected with herpesvirus subcutaneously. The inhibition manifested itself by a decrease in cutaneous lesions and by the local growth of the virus. 4 Eastern European, 15 Western references. [Yanuscript received 9 Dec 65.]

1/1

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APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009291 LEHEL, Gyorgy

International AUDIO Festival, London. Hir techn 14 no.4: 154-155 Ag 163.

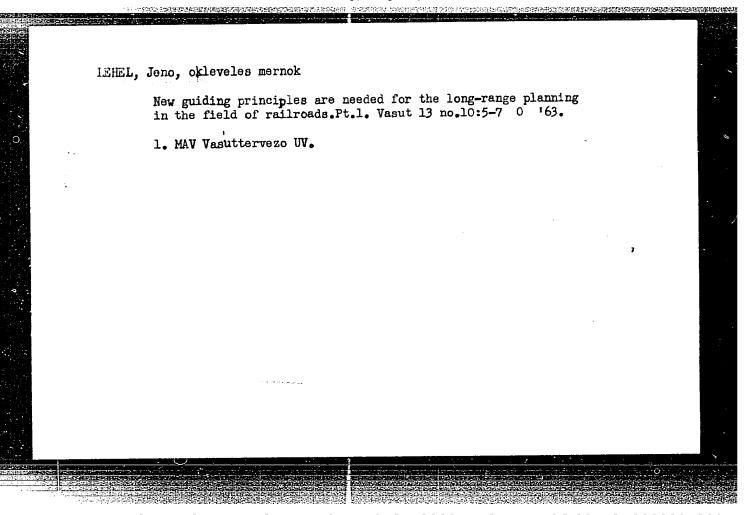
LEHEL, Jeno, okleveles mernok, iranyito tervezo

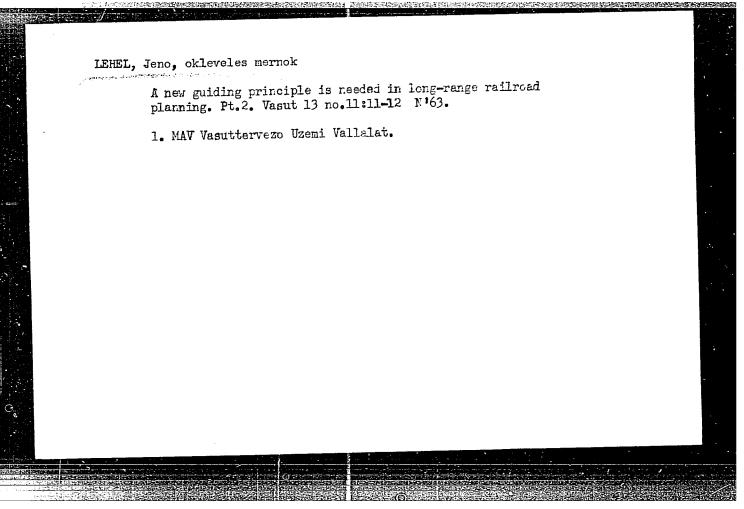
Necessary capacity calculation of goods handling yards and loading installations by the operations research method. Kozl tud sz 14 no.9:384-395 S 164.

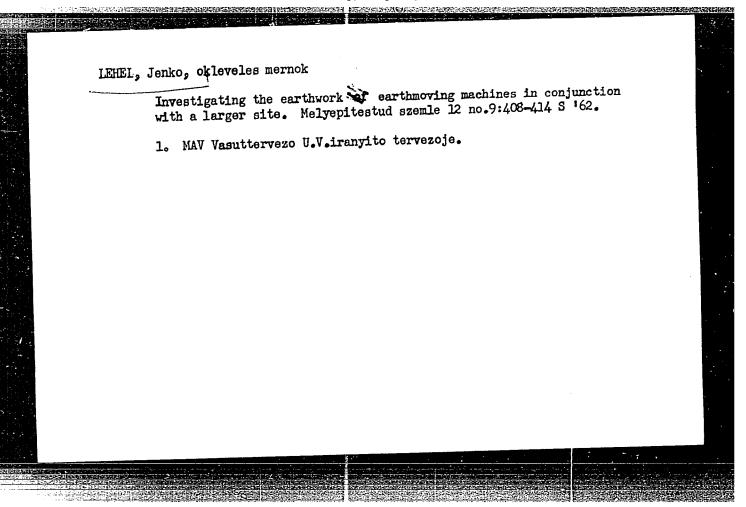
1. Railroad Planning Enterprise of the Hungarian State Railways, Budapest.

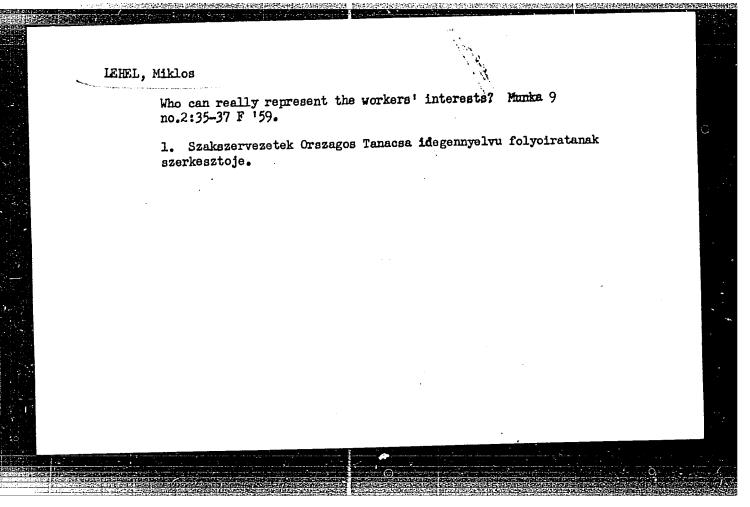
Optimum placement of distributive centers of centralized transportations. Kozl tud sz 13 no.8:341-352 Ag\*63

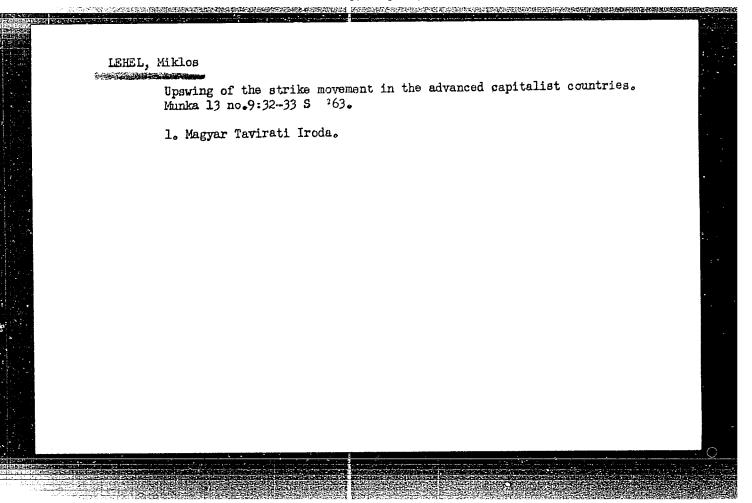
1. MAV Vasuttervezo U.V.











KANITZ, Eva, dr.; LEVENDEL, Laszlo, dr.; Technikai munkatars: LEHEL, Miklosne.

Paper electrophoresis of serum albumin patterns in tuberculous patients. Tuberkulozis 12 no.12:275-278 D '59.

1. Az Orszagos Koranyi The Interet (igazgate: Boszormenyi Miklos dr. kandidatus, tudomanyos vezete: Foldes Istvan dr. kandidatus) kozlemenye.

(TUBERCULOSIS blood)

(SERUM ALBUMIN)

LEVENDEL, Laszlo; MEZZI, Arpad; LEHEINE, Czibereeszter

Incidence of tranzatic experiences influencing personality development in adult pulmonary tuberculosis. Orv. hetil. 100 no.11:400-403 15 Mar 59.

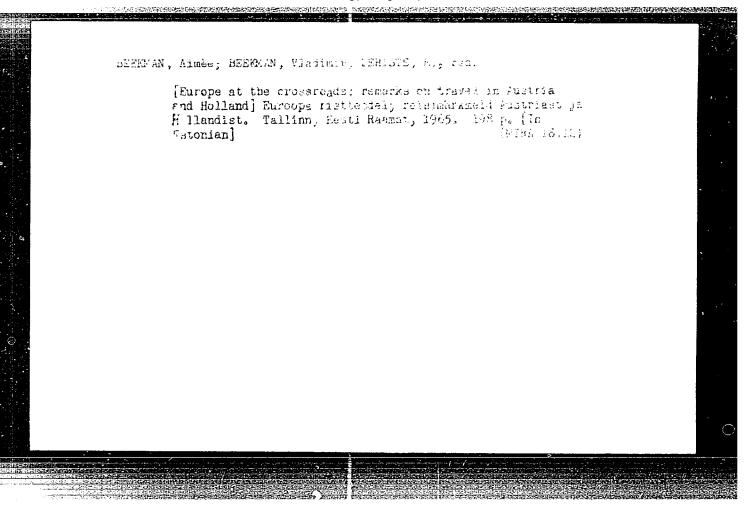
1. Az Orszagos Koranyi Toc Intezet (igazgato foorvos: Boszormenyi Miklos dr. Kandidatus, tudomanyos igasgato: Foldes Istvan dr. Kandidatus es a Magyar Tudomanyos Akademia Gyermeklelektani Intezetenek igazgaro: Molnar Imre dr.) kozlemenye.

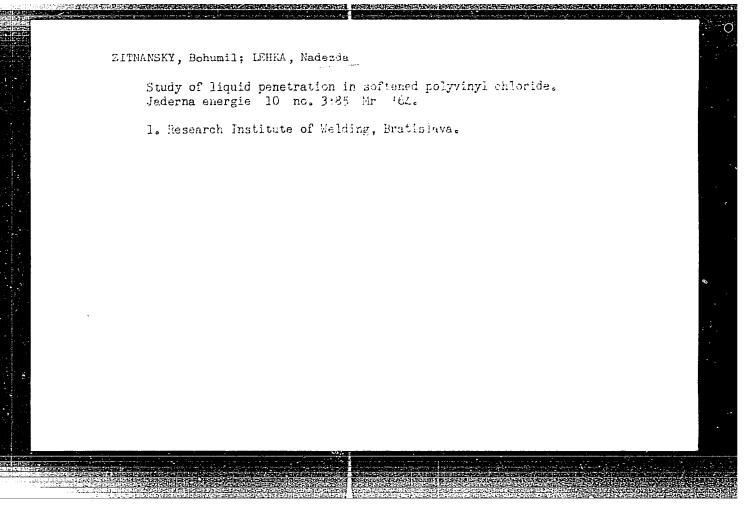
(TUBERCULOSIS, PULMONARY, psychol.

incidence of childhood traum. experiences influencing personality develop. in adult tuberc. (Hun))

(FAMILY

incidence of childhood traum. experiences influencing personality develop. in adult pulm. tuberc. (Hun))

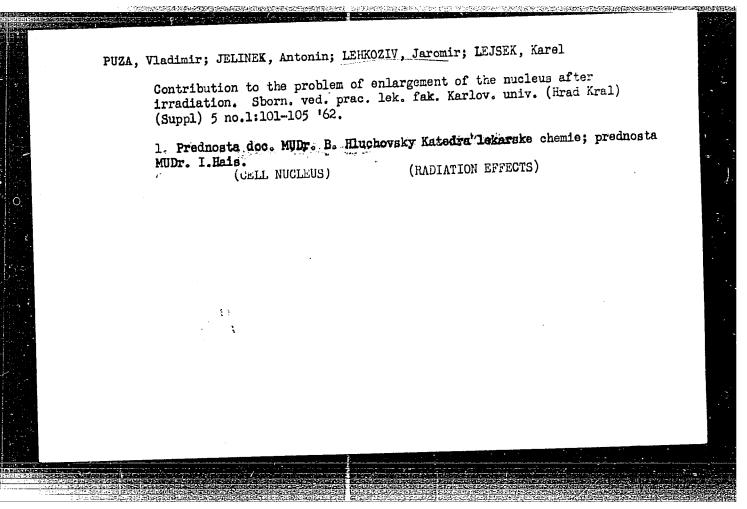




ZETNANSKY, Bohumil; LEHKA, Madezda

Study of liquid penetration into softened P.V.C. Chem prum
14 no.6:313-316 Je '64.

1. Research Institute of Welding, Bratislava.



LEHKUN, J.A.

POLAND/Optics - Optical Notheds of Analysis

X-0

Abs Jour : Rof Zhur - Fizika, No 3, 1959, No 11903

: Lohkun J.A. Author

Inst

: Concorning the Reflection Spectra of Colored Titlo

Clotas

Orig Pub : Przegl. wlekiena., 1953, 12, No 3, 149-151

Abstract: The author has investigated reflection spectra of

colored and undyed cloths hade out of staple viscose fiber. The following dyes were used: blue straight light lightproof, blue direct pure, and blue direct treated with a DON fixer. The character of the curves of reflection in the region from 300 to 800 millimicrons is consi-The differences in the light resistance

durud. of the dyes is connected with the difference in the spectral variation of the curves and the

ultraviolet region of the spectrum. .... A. V. Savosl'yanova

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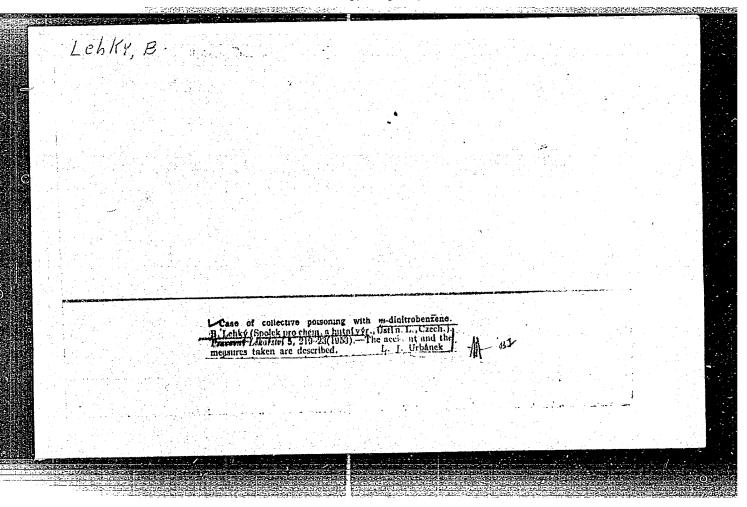
78

CIA-RDP86-00513R0009291200 **APPROVED FOR RELEASE: Monday, July 31, 2000** 

VRANA, B., nositel radu; LEHKY, inz.

Course on welding in the enterprise "Zelezarny Antonina Zapotockeho" in Vamberk. Zvaranie 11 no.11:313-314 N '62.

1. Zelezarny Antonina Zapotockeho, Vamberk (for Lehky).
2. Automobilove zavody Letnany, Zavody Klementa Gottwalda (for Vrana).



LEHKY, Borivoj, Dr med.; JANSA, Jan, Dr chem.

Severe irritation of the eye in workers exposed to epichlorhydrine and therapeutic effect of alesten. Pracovni lek. 6 no.3:170-171

Je \*54.

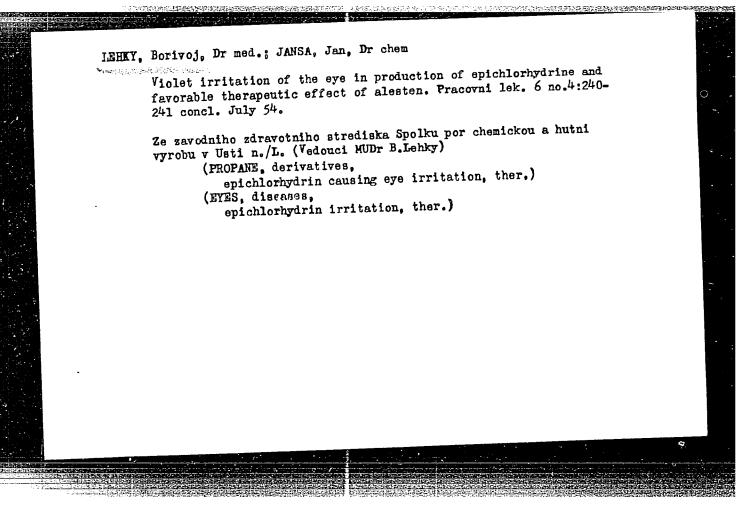
1. Ze zavodniho zdravotniho strediska Spolku pro chemickou a hutni vyrohu v Ueti n/L.Vedouci MUDr B.Lehky

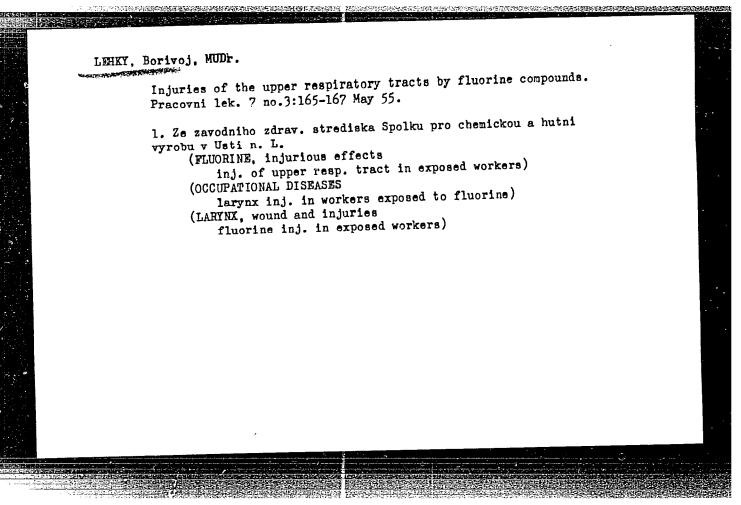
(PROPILEME, derivatives,

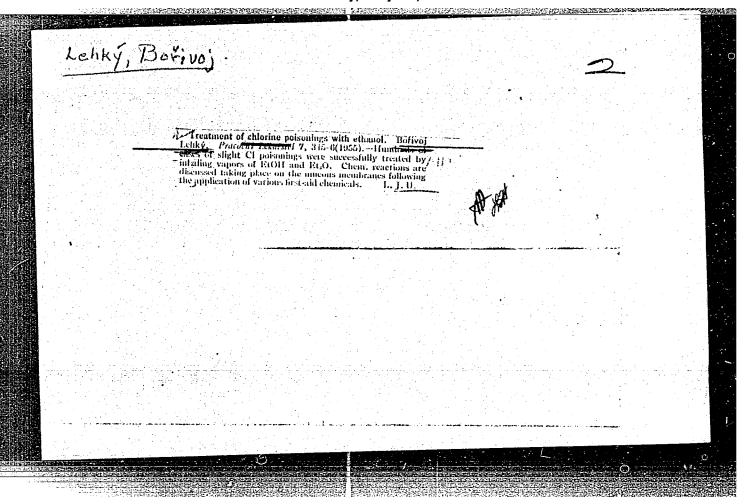
\*chloropropylene oxide, eye inj., ther.)

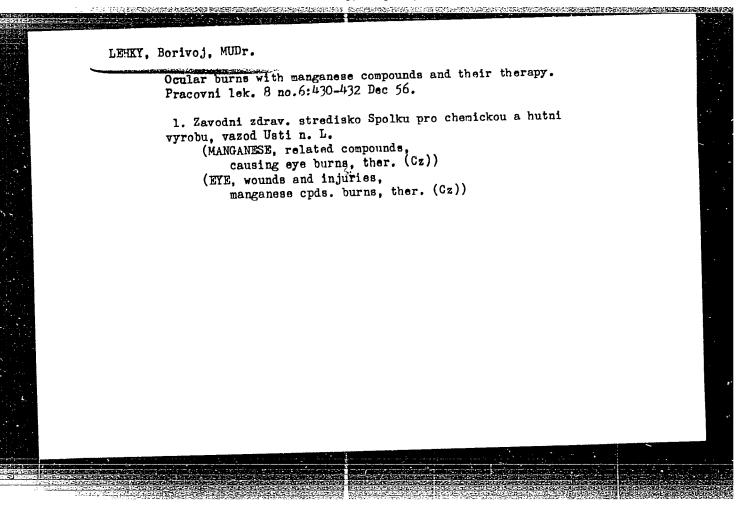
(EYE, diseases,

\*chloropropylene oxide lesions, ther.)









IKHKY, Borivoj, MUDr.; KOMRSKA, Milan, MUDr.

Acute arsine poiscming. Pracovni lek. 9 no.6:536-537 Dec 57.

1. Zavodni zdravotnicke stredisko Spolku pro chemickou a hutni
vyrobu, n. p., Usti n. L. Infekoni odd. KUNE v Usti n. L., prednosta:
vyrobu, Dr. Zd. Kolouch. L. B., Usti n. L., Velka hradebni 53.

(AHSENICALS, pois.
arsine, case reports (Cz))

KREJCI,L.; OHENBERGER, J.; KLOUCEK,F.; LEHKY,B.; JANSA,J.

Experiences with the new neutralization substance DETA in acid burns of the eye. I. Experimental part. Cesk. oftal. 20 no.4:314-320 J1.64.

1. II. ocni klinika fakulty vseobecmeho lekarstvi KU [Karlovy university] v Praze (prednosta: akademik J.Kurz); Laborator fyziologie a patofyziologie zrakoveho analyzatoru CSAV [Cesko-slovenske akademie ved] v Praze, (vedouci: akademik J.Kurz) a Zavodni zdravotnicke stredisko Spolku pro chemickou a hutni vyrobu, n.p. v Usti n.L., (vedouci lakar: MUDr. B.Lehky).

## "APPROVED FOR RELEASE: Monday, July 31, 2000

LEHKY, Frantisck SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: DVM

Affiliation: Veterinary Research Center (Vederinarni vyzkumne stredisko) Prague Source Prague, Chornik CSAZV Veterinarni Medicina, Vol 6(34), No 9, Sep 61; pp721 726

Data: "The Native Complement Levels in the Blood Serum of Clinically Healthy Dogs"

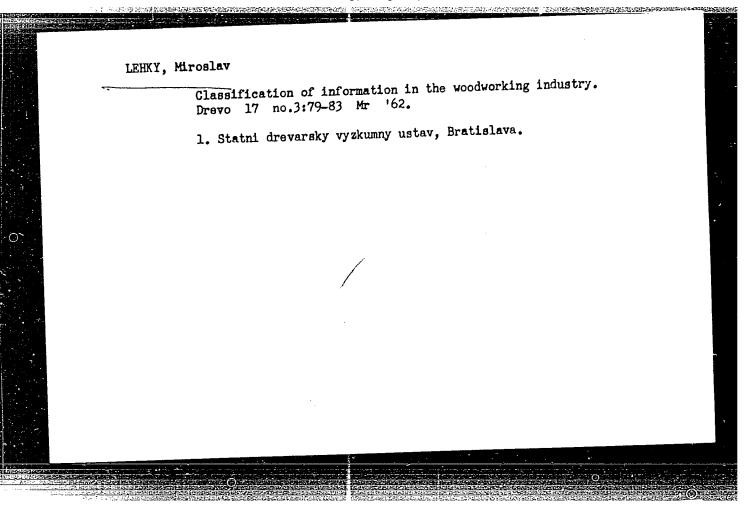
GFO 981643

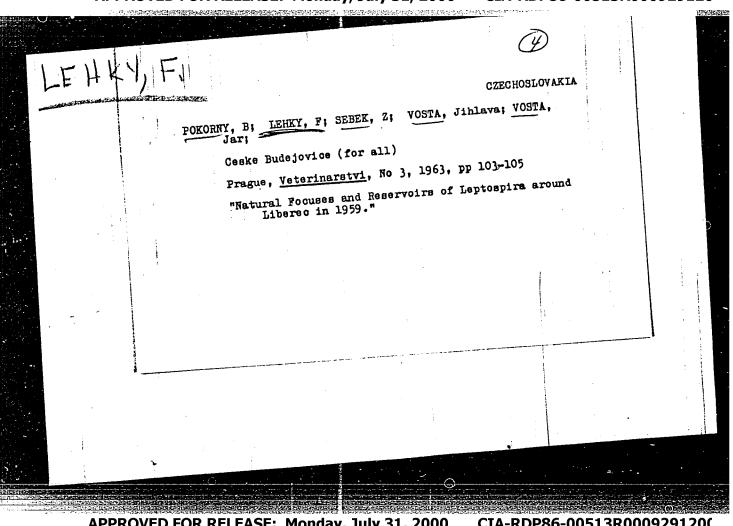
CZECHOSLOVAKIA

LEHKY, M.

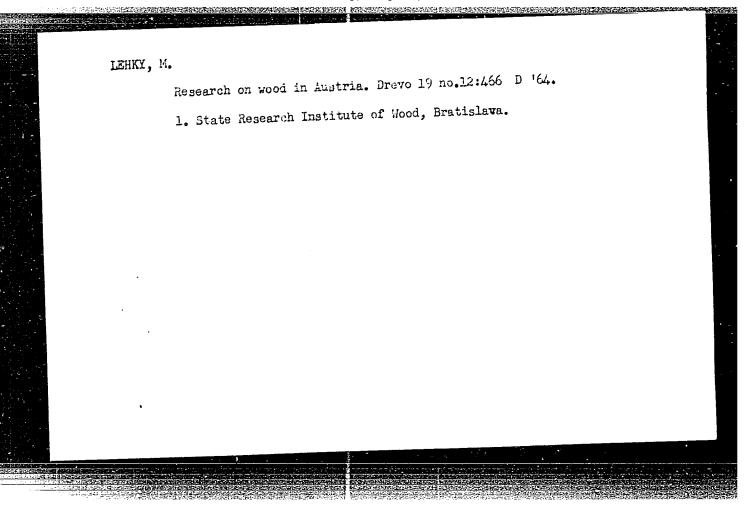
Chair of Pharmacy of SUDL (Katedra farmacic SUDL), Bratislava Bratislava, <u>Farmaceuticky obzor</u>, No 6, 1963, pp 241-248

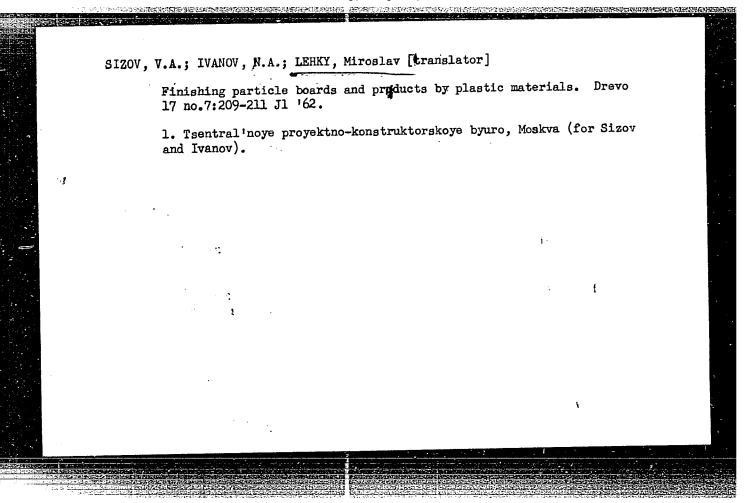
"Five Years of the Chair of Pharmacy of SUDL."

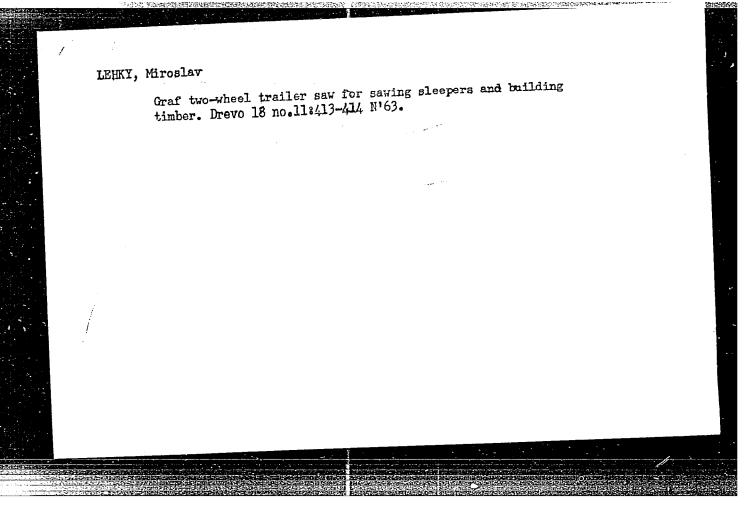


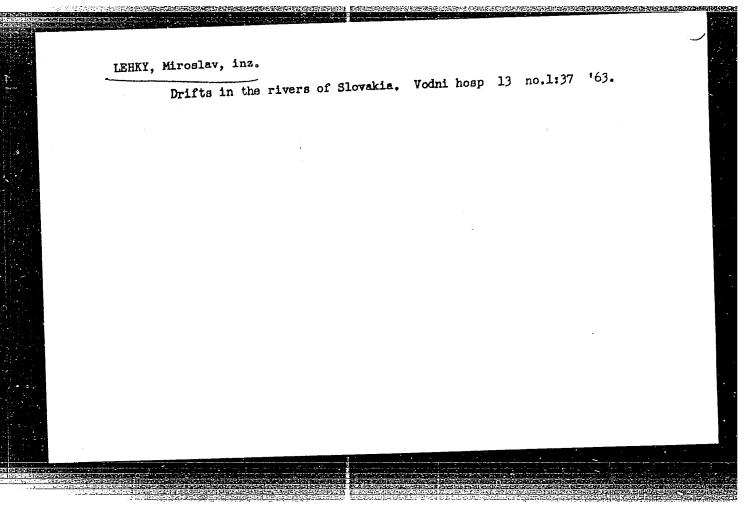


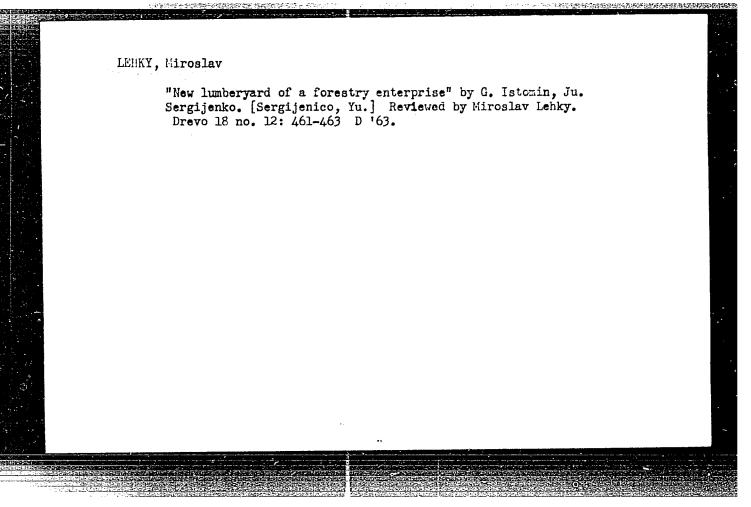
APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009291200

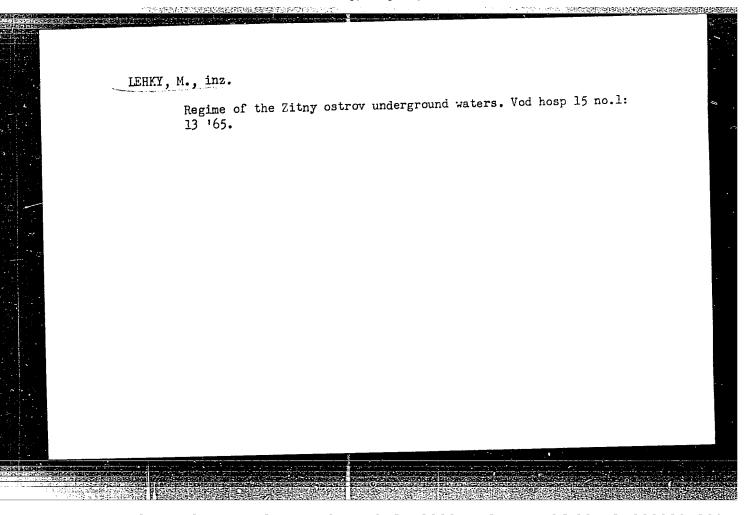


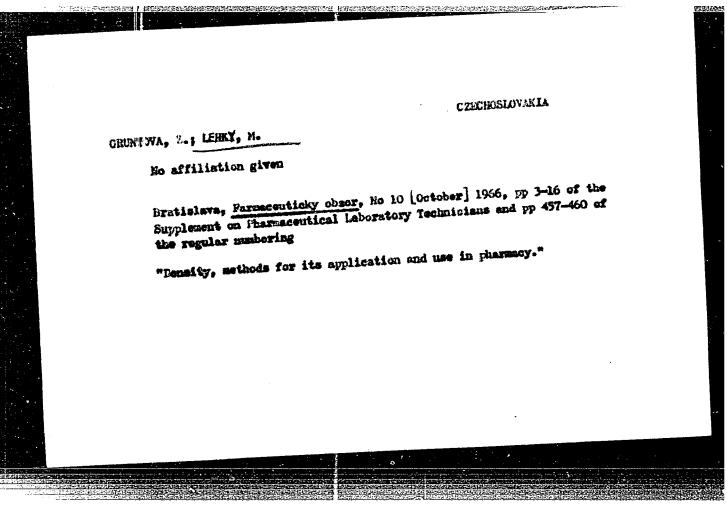


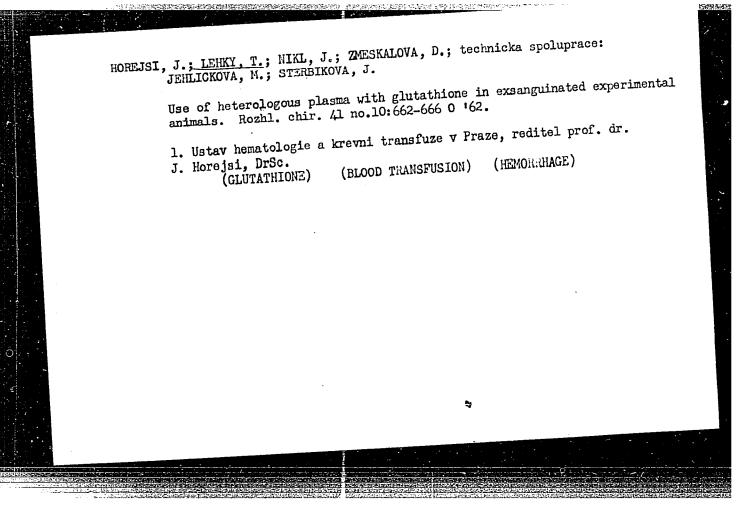


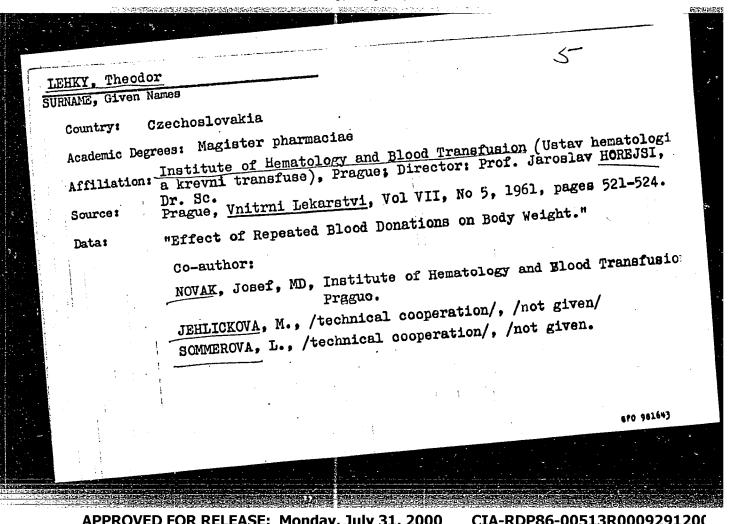












NIKLA, J.; LEHKY, T.; Technicka spoluprace JEHLICKOVA, M.

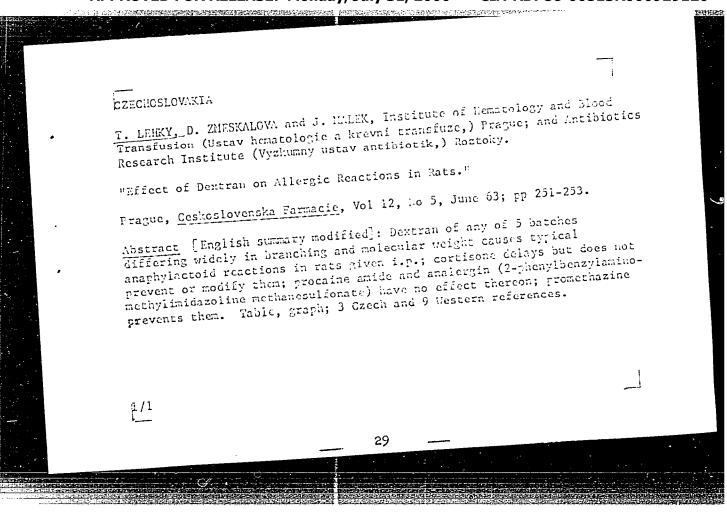
Matabolism of Heteroplasma. III. Effect of the simultaneous application of biologically-active substances on weight curves in the rat.

Gesk. gastroent. vyz. 15 no.2:107-111 Mr '61.

1. Ustav hematologie a krevni transfuze, Praha, red. prof. Dr. Sc.

MUDr. J. Horejsi.

(PROTEIN HYDROLYSATES) (BODY WEIGHT)

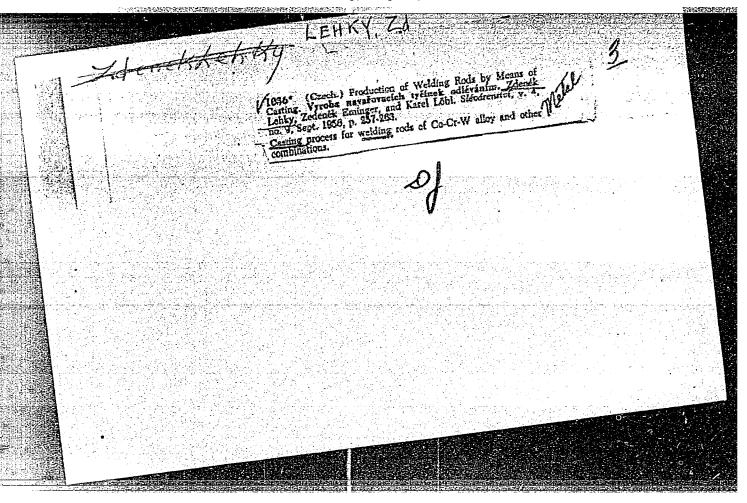


NIKL, J.; LEHKY, T.; STERBIKOVA, J.; JEHLICKOVA, M. Metabolism of Heteroplasma. IV. Formation of urea and ammonia. Cesk. gastroent. vyz. 17 no.7:411-421 Nº63 1. Ustav hematologie a krevni transfuze v Praze; reditel prof. dr. J. Horejsi, DrSc.

ZMESKALOVA, D.; LEHKY, T.

Study of the effect of some antihistaminics on the origin and course of allergic reactions in rats following Chechoslovakian dextran. Cesk. farm. 13 no.1:9-11 Ja\*64.

1. Ustav hematologie a krevni transfuse, Praha.





SLOV/006/60/000/004/003/003 D237/D304

AUTHORS:

Löbl, Karl, Engineer, Candidate of Technical Sciences,

and Lehky, Zdenek, Engineer

TITLE:

Welding of economic stainless austenitic steels alloyed

with nitrogen

PERIODICAL: Zváračský sborník, no. 4, 1960, 445 - 461

TEXT: The authors confirm the weldability of the nickel-free steel type CrMnN (CSN N7 470)(17 % Cr, 15 % Mn, 0.35 % N with the addition of 0.5 % Mo or 0.8 % Si). If this austenitic stainless steel contains nickel it is only from reversible material, i.e. it is not intentionally added as an alloy. The preliminary test established that if any problems arise in weldability by using the respective additional material for economic austenitic nitrogen alloyed steel, where these will be more easily controlled in cases of steels type CrNi-MnN such as formed or cast CSN 17 460 (17 % Cr, 4.5 % Ni, 9 % Mn and 0.2 % N) which by chemical analysis approaches the classical

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D237/D3C4

Welding of economic ...

chrome-nickel steels 18/9 (ČSN 17 241) or respectively current welding steel of chrome-nickel-manganese type 18/8/6 (CSN N7 356). As the authors did not know at the time of their tests, the field of application for the new austenitic steel, they included in their research a stainless type of this steel and a heat resisting modification, which differs from it by a 1.5 % molybdenum content (Table 1). The authors then describe the austenitic welding metal of the chrome-nickel type - electrode E 388 and the experimental electrode of which the 3,15 and 4 mm diameter core was from CSN 17 041 steel; its cover contained first, nitrogen ferro-alloy (chemical analysis 37 % Cr, 34 % Mn and 9 % N), ferro-manganese affinitive commercial purity, then ferro-molybdenum together with the necessary slag-forming compounds. The chemical analysis of the third welding layer of these electrodes under development is shown in Table 2. Table 3 gives the results of welds of E 9370 plates 600 mm long by the VÚSSIS in Chotěboř. The Vitězný únor závod (Victorious February Works) in Hradec Králové made tests on a 22 dia. by 5.5 mm tube of E 9385 and E 8372 melts (heat resisting modification of

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Welding of economic ...

CrMnN steels). This works manufacturing equipment for the chemical and food industries has a wide experience with the welding of austenitic tubes for heat-exchangers. The newly developed electrodes in co-operation with ZAZ in Vamberk are the CrMnN type, having a in co-operation with ZAZ in Vamberk are the CrMnN type, having a higher carbon content and a considerably low nickel quantity. The higher carbon content and a considerably low nickel quantity. The tube welds made with these electrodes (II and IA) of 3.15 mm dia. Were visually identical with welds of E 891 and E 388 electrodes. Were visually identical with welds of E 891 and E 388 electrodes. Were tensile tests show that for electrode E 388 75 % fractures were in the weld or in its vicinity. Electrode E 891 showed a higher in the weld or in its vicinity while electrode II fractures outside the weld or in its vicinity while electrode II gave two thirds of the fractures at the welds. The breaking loads at the welds were 21 750 kg max. and 19 319 kg min. and several centimeters from the weld axis the loads were 21 790 kg max. and 19 600 kg min. There was practically no difference in tensile 19 600 kg min. There was practically no difference in tensile 19 600 kg min. There was practically no difference in tensile 19 600 kg min. There was practically no difference in tensile 19 600 kg min and several 20 600 kg min and 20 60

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SLOV/006/60/000/004/003/003 D237/D304

Welding of economic ...

also by the ordinary electrical arc. This is also proved by the fact that no cracks were identified in the weld or toe, nor in the basic material. Pre-heating in the vicinity of a weld (10 - 12 cm) at 150 - 400°C is recommended for the multi-weld such as a crosspiece. The author finally mentions casting repair by welding with chrome-nickel austenitic electrodes of type 18/9. Four valve bodies were cast at the laboratory (100 kg high-frequency furnace) and, one solve body 250 kg was cast in an electric arc furnace at VZU ZVIL in Pilsen (melt no. 3815). The cold shuts on the casting were ground and welded at room temperature with a chrome-nickel austenitic electrode E 388 of 4 mm dia. at the Modranské strojírny CKD (CKD Machinery Works in Modrany). The test proved the possibility of applying stainless austenitic steel type CrMnN for the repairs of valve bodies. Mention is also made of tests of welding material made by electrodes I and II, the results of which are given in Table 4, and of the same test with the weld made by electrode E 389 The same melt was welded as in the case of electrodes I and II. The results of the tensile tests are given in Table 5. The tests

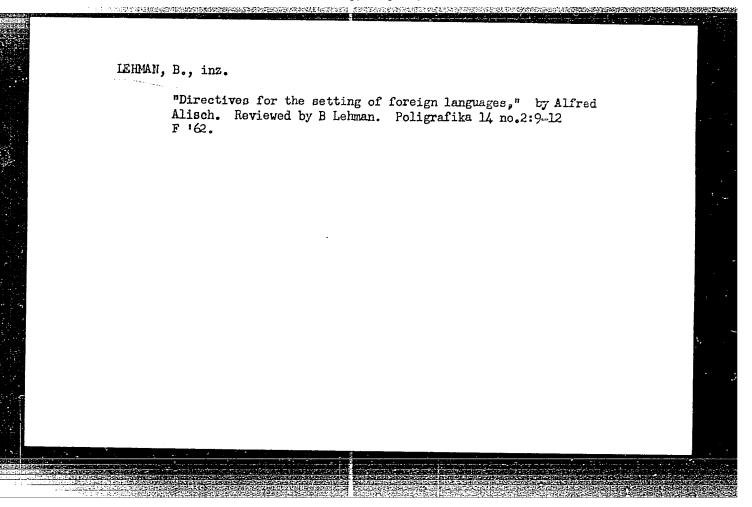
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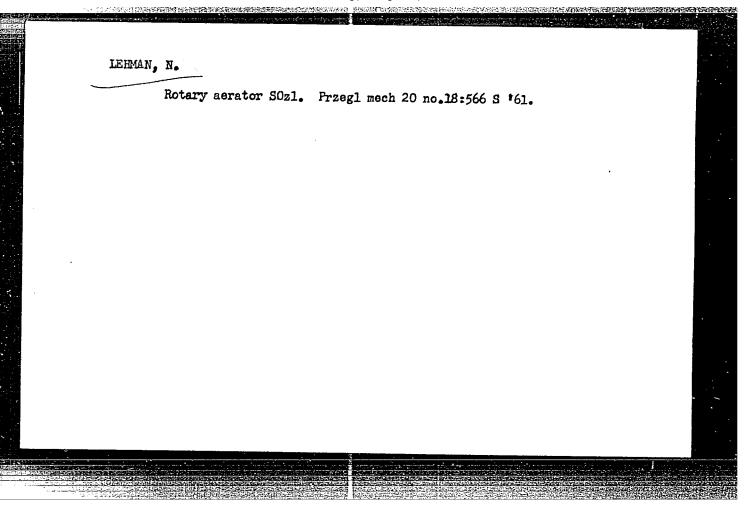
Welding of economic ...

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proved the possibility of repairing the surface defects of castings type CrMnN by welding-on and executing the connecting welds with the chrome-nickel electrode type 18/9 (E 388) or with two types of economic electrodes (CrMnN + 2 % Ni) of which the welding metal approaches the mechanical properties of the basic metal. The authors conclude that the tested melts of the new economic austenitic stainless steel type CrMnN formed and cast had good weldability with the existing chrome-nickel electrodes and with the experimental economic electrodes having austenitic-forming alloys in the cover. The electrodes may have a large field of application not only because of anti-corrosive resistance, but also due to their exceptional properties as a welding metal of non-magnetic steel. There are 18 figures, 5 tables and 8 references: 5 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: R. Franks, W.O. Binder, J. Thompson, Trans. ASM 41, 1955, 231; Nickel Free Austenitic Stainless Steel. Material and Methods 45, 1957, 104; W.T. De Long, H.F. Reid, Weld. J. Suppl. 1957.

ASSOCIATION: SVÚMT, Praha (Prague); ŽAZ, Vamberk Card 5/11





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Livestigations on the behavior of the flow of suspensions containing clay mineral. Epitoanyag 12 no.6:201-208 Je '60.

1. Clausthal (Nemetorszag) Banyaszati Akademia.

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P 35433 第/034/62/000/004/001/002 D265/D302

AUTHOR:

Lehman, R., Doctor, Wiemer, A., Senior Engineer, and

Rogal, R., Engineer

TITLE:

Air bearings

PERIODICAL: Pomiary, automatyka, kontrola, no. 4, 1962, 150-159

TEXT: The authors give the theoretical basis for the design of air bearings. Air distribution in the bearing air space is studied for the case of sliding air bearings represented by the model shown in Fig. 5. Velocities are considered below the critical speed at which seizure occurs. Isothermal air flow is assumed. Formulas for the optimum condition of air distribution are based on practical experiments. The analysis refers to non-turbulent flow of air -R 2700 for which the coefficient of friction for metal surfaces  $\lambda = \frac{96}{R}$  and for  $Re_{kr} = 2700$  where  $\lambda = 0.038$ .

The empirical formula for the pressure in the air clearance is Eq. (1)

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ρ \$/034/62/000/004/001/002 p265/p302

Air bearings

 $p(x) = \sqrt{p_K^2 - \frac{x}{1} \cdot (p_K^2 - p_E^2)}$  where  $P_K = \text{pressure in the chamber 2,}$ 

 $P_{\rm E}$  = pressure at the end of the slit 5, x = direction of the air flow (from 2 to 5). Relationships between the bearing load and the size of the air space are given. A calculation of the air consumption is included. The theoretical considerations are followed by numerous examples of practical applications. There are 25 figures and 9 Soviet-bloc references.

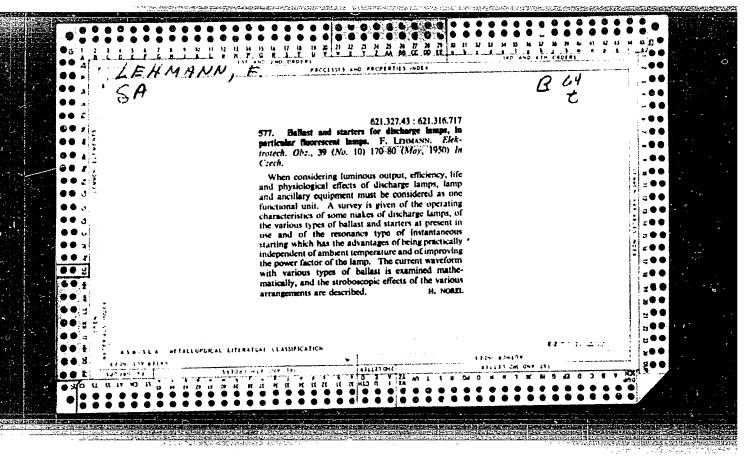
ASSOCIATION: German Academy of Sciences, The Institute of Instrument Construction, Berlin - Adlershof

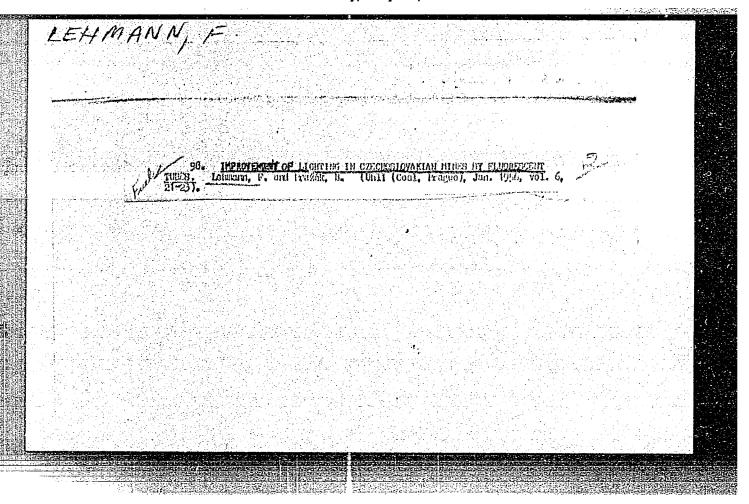
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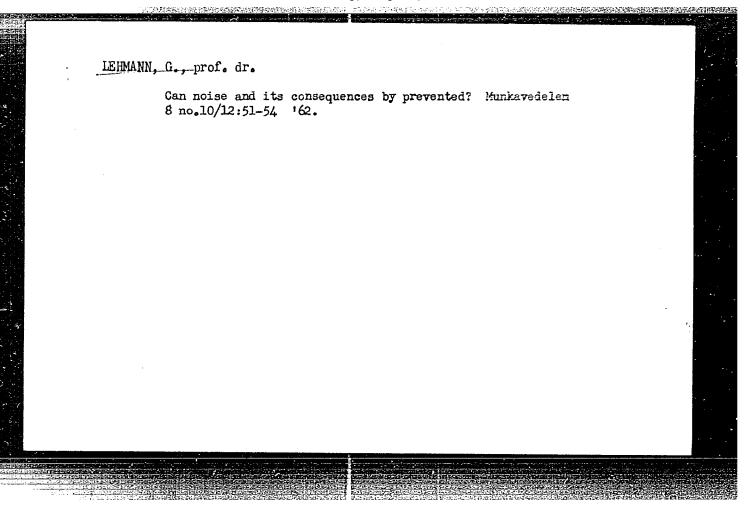
LEHMANN, Edit, dr.; PALINKAS, Keresztely

Technological description of the Hungarian-manufactured "kervit" tiles. Epitoanyag 15 no.6:220-223 Je '63.

l. Epitoanyagipari Kozponti Kutato Intezet Finomkeramiai Osztalya. 2. "Epitoanyag" szerkeszto bizottsagi tagja (for Lehmann).





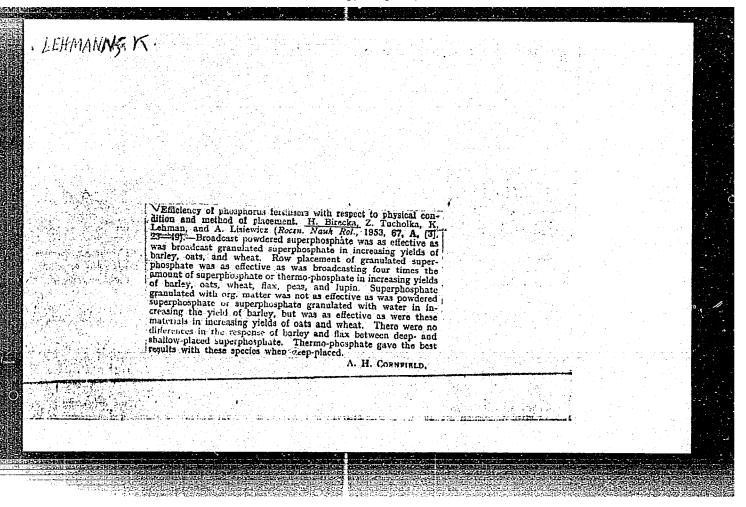


LEHMANN, H.

Present state and development of open-pit mining in the German Democratic Republic. p. 62.

UHLI. (Ministerstvo paliv) Praha, Czechoslovakia Vol. 1, no. 2, Feb. 1959

Monthly list of East European Acessions (EEAI), LC, Vol. 8, no. 7 July 1959 Uncl.



J.

POLAND/Soil Science - Mineral Fertilizers.

Abs Jour

Ref Zhur - Biol., No 15, 1958, 67950

Author

Birecka, H., Lisiewicz, A., Lehmann, K., Czekalski, A.

Inst

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Title

Effectiveness of Granulated Superphosphate in Connection

with Mode of Application and Soil Reaction.

Orig Pub

: Roczn. nauk. rolniczych., 1956, A73, No 3, 327-347.

Abstract

Pot experiments were made in 1952 and 1953 in the Institute of Agrochemistry of the Higher Agricultural School in Poznan comparing the effectiveness of powdered and granulated P with spring wheat and flax on light sandy loan having pH of 6.0 in a KCl extract. In addition, by liming, the reaction of this soil was raised to pH 6.6, and, by application of Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> in a dosage of 6 mg. Al per 100 grams of air-dry soil, to pH 5.2. Phosphates were added in doses of 40 or 120 mg. P<sub>2</sub>O<sub>5</sub> per pot. When 40 mg. P<sub>2</sub>O<sub>5</sub> was mixed with the otherwise unchanged soil, and distributed

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CIA-RDP86-00513R0009291

Abs Jour : Ref Zhur - Biol:, No 15, 1958, 67950

throughout the whole pot, the powdered variety gave a yield of 8.4 grams of wheat grain per pot, and the granulated variety -- 10.3 grams; the 120 mg. dosc gave respectively 11.7 and 14.8 grams; the yield in the pot which did not have Pc was 6.5 grams of grain. When these same doses were introduced into the lowest layer of soil in the pot, the yields were 13.1 and 13.2 grams respectively; when 40 mg.  $P_{\rm c}$  were inserted under the seeds, the yields were 10.0 and 9.6 grams. On lined soil granulated P gave slightly inferior results to powdered Pc, but on acid soil Pc was much more effective. In this case, where the control gave a yield of 3.4 grans, the addition of 120 mg. of powdered  $P_c$  gave 6.7 grams when it was thoroughly mixed with the soil; adding granulated Pc mixed with water gave 11.1 grams, and granulated  $P_{\rm c}$  mixed with organic matter gave 11.5 grams. When 40 mg. Pc was added under the seeds, the results were 8.0, 7.4, and 8.8

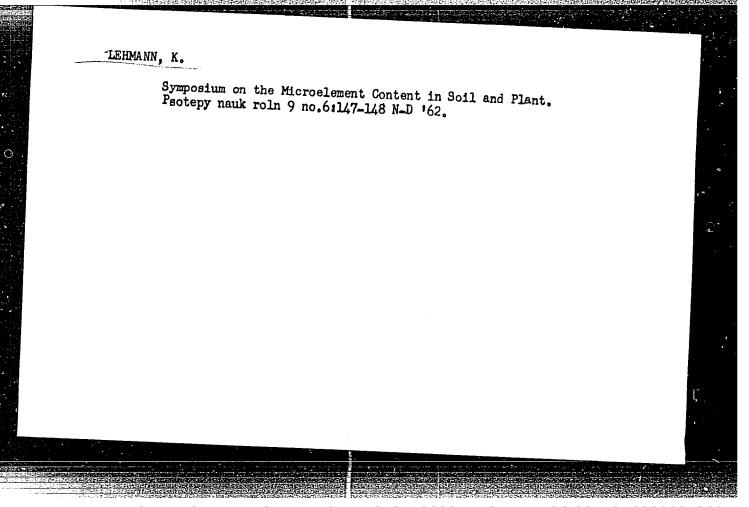
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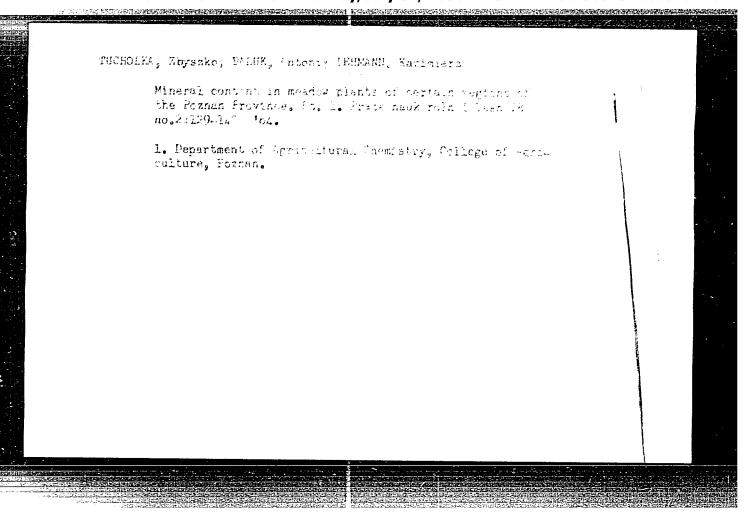
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The PzOl plow prototype. p. 153

PRZEGLAD MECHANICZNY. (Stowarzysenie Inzynierow i Technikow Mechanikow Polskich) Warszawa. Poland Vol. 18, no. 5, Mar. 1959

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The MGG1 soil miller. p. 542.

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ROLLECK, L., LEIBMANN, O.

Chemical Institute, Technical College (Chemisches Institut der Hochschule), Bamberg, Pederal Republic of Germany) (for both)

Pragus, Collection of Czechoslovak Chemical Communications, No 12, Dec 1965, pp 4024-4032

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Air bearings. Pomiary 8 no.4:150-159 Ap '62

1. Instytut Budewy Przyrzadow. (Berlin-Adlershof)

MAJEWSKA, Zofia; <u>LEHMANOWA</u>, <u>Jolanta</u>; PIELOWSKI, Jan; JANIKOWSKI, Tadeusz; WISNIEWSKI, Henryk

Brain neoplasms in older and newborn infants. Neurol. neurochir. psychiat. pol. 12 no.137-14 162.

1. Z Oddzialu Neurologii Dzieciecej im. Janusza Korczaka Kierownik: prof. dr Z. Majewska Z Zakladu Anatomii Patologicznej AM w Gdansku. Kierownik: prof. dr W. Czarnocki Z Zakladu Neuropatologii PAN Kierownik prof. dr A. Kunicki.

(BRAIN NEOPLASMS in inf & child) (INFANT NEWBORN dis)

MAJEMSKA, Zofia, prof. dr; <u>LEMMANCMA</u>, Jolanta; PIEIOMSKI, Jan; JAMIKOMSKI, Tadeusz; WISNIEWSKI, Henryk

Cerebral tumors in infants and little children. Neurol neurochir psych 12 no.1:7-14 Ja-F 162.

l. Kierownik Oddziału Neurologii Dzieciecej im. Janusza Korczaka, Akademia Medyczna, Gdansk (for Majewska). 2. Zakład Anatomii Patologicznej, Akademia Medyczna, Gdansk; Zakład Neuropatologii. Polska-Akademia Nauk, Oddział Gdansk (for Lehmanowa, Pielowski, Janikwski Wisniewski). Kierownik Zakładu Anatomi: Patologicznej AM: prof. dr W. Czarnocki Kierownik Zakładu Neuropatologii PAN: prof. dr A. Kunicki.